

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Manitowoc**Facility Identifier:** 520220**Facility Reporting Year:** 2011**Facility Location:**

Address: 701 Columbus Street

City: MANITOWOC

State: WI

Postal Code: 54220

Facility Site Details:**CO2 Equivalent (excluding biogenic, mtons, Subparts C-II and RR-UU):** 255638.8**CO2 Equivalent (mtons, Subparts LL-QQ):** 0**Biogenic CO2 (mtons, Subparts C-II and RR-UU):** 23471.9**Cogeneration Unit Emissions Indicator:** Y**GHG Report Start Date:** 2011-01-01**GHG Report End Date:** 2011-12-31**Description of Changes to Calculation Methodology:****Description of Best Available Monitoring Methods Used:****BAMM use start date:****BAMM use end date:****Part 75 Biogenic Emissions Indication:****Primary NAICS Code:** 221112**Second Primary NAICS Code:****Parent Company Details:****Parent Company Name:** Manitowoc Public Utilities**Address:** 1303 South 8th Street, Manitowoc, WI 54221-1090**Percent Ownership Interest:** 100

Subpart C: General Stationary Fuel Combustion

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		0 (Metric Tons)	
Nitrous Oxide		0 (Metric Tons)	
Carbon Dioxide		13.3 (Metric Tons)	

Unit Details:**Unit Name :** Diesel generator**Unit Type :** RICE (Reciprocating internal combustion engine)**Unit Description :****Individual Unit Details:****Maximum Rated Heat Input Capacity:** 54.15 (mmBtu/hr)**Emission Details:****Annual CO₂ mass emissions from sorbent:** 0.0 (Metric Tons)**Annual Biogenic CO2 Emissions:** 0.0 (metric tons)**Annual Fossil fuel based CO2 Emissions:** (metric tons)**Tier Fuel Details:****Fuel :** Natural Gas (Weighted U.S. Average)**Tier Name :** Tier 1 (Equation C-1b, natural gas billing in mmBtu)**Tier Methodology Start Date :** 2011-01-01

Tier Methodology End Date : 2011-12-31

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
8.2 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Fuel : Distillate Fuel Oil No. 2

Tier Name : Tier 2 (Equation C-2a)

Tier Methodology Start Date : 2011-01-01

Tier Methodology End Date : 2011-12-31

Frequency of HHV determinations : Once per fuel lot

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
5.1 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		23471.9 (Metric Tons)	
Methane		37.18 (Metric Tons)	
Nitrous Oxide		5.296 (Metric Tons)	
Carbon Dioxide		253203 (Metric Tons)	

Unit Details:

Unit Name : 8

Unit Type : Electricity Generator

Unit Description :

Part 75 Methodology : CEMS

Methodology Start Date: 2011-01-01

Methodology End Date: 2011-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 40402.2

Annual CO2 Emissions Including Biomass (short tons): 44535.4

Annual CO2 Emissions from Biomass (metric tons): 5928.5

CEMS Details:

Operating Hours CO2 Concentration Substituted: 54

Operating Hours Stack Gas Flow Rate Substituted: 8

Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Mixed (Electric Power sector)
Annual heat input: 368609.13 (mmBtu)
Annual CH4 emissions from combustion of the specified fuel: 4.05 (Metric Tons)
Annual N2O emissions from combustion of the specified fuel: 0.590 (Metric Tons)
CH4 Emissions CO2 Equivalent: 85.1 (Metric Tons)
N2O Emissions CO2 Equivalent: 182.8 (Metric Tons)

Fuel type: Solid Byproducts
Annual heat input: 63203.87 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 2.02 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.265 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 42.5 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 82.3 (Metric Tons)

Unit Name : 9
Unit Type : Electricity Generator
Unit Description :
Part 75 Methodology : CEMS
Methodology Start Date: 2011-01-01
Methodology End Date: 2011-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO₂ Emissions Including Biomass (metric tons): 236272.7
Annual CO₂ Emissions Including Biomass (short tons): 260443.4
Annual CO₂ Emissions from Biomass (metric tons): 17543.4

CEMS Details:

Operating Hours CO₂ Concentration Substituted: 15
Operating Hours Stack Gas Flow Rate Substituted: 2
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Mixed (Electric Power sector)
Annual heat input: 2284136.55 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 25.13 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 3.655 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 527.6 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 1132.9 (Metric Tons)

Fuel type: Solid Byproducts
Annual heat input: 187029.45 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 5.98 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.786 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 125.7 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 243.5 (Metric Tons)